

## ABSTRACT

An X-ray inspection apparatus (10) is provided with a shield box (11), a conveyor (12), an X-ray irradiator (13), an X-ray line sensor (14), a monitor (26), and a control  
5 computer (20) to enable the apparatus to inspect an article by automatically selecting an appropriate image processing procedure that is most appropriate for the article. The control computer 20 creates function blocks comprising an image forming section (31a), an image processing procedure adoption determination unit (31b), and a contaminant determination unit (31c) as a CPU (21) loads various programs stored in a memory units such as HDD (25).